



United States Department of the Interior

GEOLOGICAL SURVEY

MARINE GEOLOGY PROJECT

San Juan, Puerto Rico

Received 5/6/83
Coded 5/9/83

83001

CRUISE REPORT: 83-1

PREPARED BY: Juan Luis Trias

LOCATION: Isabela, North coast of Puerto Rico and Guayanilla, south coast of Puerto Rico

DATES: April 7 - 17, 1983

OBJECTIVES: 1. Seismic survey of an apparent sand deposit offshore Isabela, PR
2. Seismic survey of submarine canyons offshore Guayanilla, PR
3. Surface sediment sampling between Guanica & Guayanilla

VESSELS: Research Vessel Jean - A

PERSONNEL: Juan Luis Trias - Chief scientist, USGS
Dave Nichols - Electronic technician, USGS
Jose Muniz - technician, DNR
Nelson Espinell - technician, DNR
Lucy Cruz - technician, DNR
Miguel Soto - scientist, DNR
Richard Webb - scientist, DNR
Jose Gerena - scientist, DNR

EQUIPMENT: 1. Miniranger system
2. Uniboom system
3. 3.5 KHz system
4. Uniboom sled with bridle
5. Zodiac for shallow areas
6. Bottom samplers, ship echo sounder, VHF radios and project vehicles

CRUISE SCHEDULE:	April 1983	Time	Place
	7	0900-1730	San Juan - Isabela
	8	0600-1530	Isabela
	9	0400-1030	Isabela
	10	0400-1440	Isabela
	11	0400-0600	Isabela-Mayaguez
	12	0400-1400	Mayaguez-Isabela
	13	0400-1945	Isabela
	14	0615-1245	Mayaguez-Ponce
	15	0400-1830	Ponce-Guanica
	16	0500-1730	Guanica-Guayanilla
	17	0500-1930	Guanica-Guayanilla

Cruise Report - continuation
Marine Geology Project
Dates: April 7 - 17, 1983

- 2 -

RESULT AND COMMENTS:

1. The apparent "sand deposit" seems to be a very thin layer of sand over certain areas and small scattered sand pockets.
2. 135 sediment samples were collected in the Guayanilla - Guanica - Ponce area.
3. Estimated total length of seismic lines, 40 Km
4. Total of 10 boat days
Total number man-days at sea USGS = 20 days
Other = 60 days